SC 3637 SPLIT AIR CONDITIONER

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Product data sheet

Brand name		Zibro
Model		SC3637
Sound power level indoor	dB(A)	53
Sound power level outdoor	dB(A)	63
Refrigerant GWP	Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 timer thigher than 1 kg of CO2, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.	1975
SEER[1] / energy efficiency class average season[1]		6.1 / A+
Indicative annual electricity consumption during cooling season (Qce)	kWh/a	207
Design load (capacity) in cooling mode	Pdesignc kW	3.6
SCOP [1] / energy efficiency class		3.8 / A
Indicative annual electricity consumption during average heating season (Qhe)	kWh/a	1363
Declared suitable regions (W/A/C)		W / A / C
Design load (capacity) in heating mode	Pdesignh kW	3.7
Declared capacity at reference design condition (heating average season)	kW	3.194
Back up heating capacity at reference design (heating average season)	kW	0.506

Product specifications

Colour	Zibro white
EAN code indoor unit	8713508765631
EAN code outdoor unit	8713508765648

Technical specifications

		Cooling	Heating
Capacity min - max	kW	0.88 - 4.27	0.88 - 4.35
Power consumption (nom.)	kW	1.37	0.92
Power supply	V/Hz/Ph	230~ / 50 / 1	
Current (max)	A	11.5	
Air flow (min-max.)[2]	m^3/h	440 / 580 / 750	
For rooms up to[2]	m^3	75 - 115	
Dehumidification capacity[3]	L/24 h	29	
Operating range	°C	0 - 50	-15 - 30
Thermostatic range	°C	17 - 30	
Sound pressure level indoor / low sound mode	dB(A)	32 - 42 / 23	
Sound pressure level outdoor	dB(A)	53	
Fan speed		3 positions	
Control		electronic / remote	
Air filter	type	Screen/active carbon/3M HAF	
Refrigerant type / charge	R / gr	R410A / 1100	
Refrigerant GWP		1975	
Max. length refr. pipe between in- / outdoor unit	m	4	
Max. diff. in height between in- / outdoor unit	m	4	
Diameter for connection	Liquid side ø mm	standard	
	Gas side ø mm	standard	
Dimensions indoor (w x h x d)	mm	835x280x198	
Dimensions outdoor (w x h x d)	mm	760x590x285	
Compressor type		rotary / GMCC	
Protection class indoor	IP	IP 20	
Protection class outdoor	IP	IP 24	
Weight indoor	kg	14	
Weight outdoor	kg	37	
Guarantee[4]	years	4	

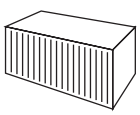
[1] *Measured conform EN 14825 / EN 14511-2011*

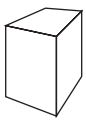
[2] *To be used as indication*

[3] *Moisture removal at 32°C, 80% RH*

[4] *4 years on compressor, 2 years on other components*

guarantee 4 YEARS





20 ft = 79	W x D x H =	Gross =
40 ft = 170	in: 1010x360x355mm	18 kg/
HQ = 195	out: 887x645x355mm	39 kg

Accessories

Remote control (ABS 10FP)	8713508752587
Remote control holder	
2 pcs. AAA batteries	
4 metres drainage tube	
User manual	
Installation manual	

Most important spare parts

Spare part description	EAN Code

zibro®
home made climates

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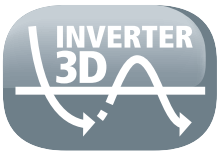
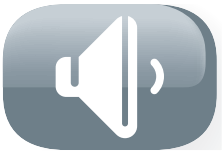


Energy efficient 3D Inverter (save up to 65%)

My comfort system for guaranteed spot tempe-rature



Sleep well with extremely low sound mode

3-layer anti-allergy filter for clean air

Year round high comfort

Indoor freezing prevention 8°C

Extra frost protection in outdoor unit

Quick Connect

Features

"Low sound" Mode: This high class air conditioning is equipped with a special low sound mode. In this mode the air conditioner will operate on a whispering quiet level.

My comfort: The remote controller is equipped with a built in temperature sensor. By activating the "my comfort system" the temperature sensor in the remote controller replaces the temperature sensor of the indoor unit. This enables you to optimally control your personal comfort.

1 Watt standby mode: Intelligent on/off technology enables the air conditioner to enter automatically into an energy-saving mode in standby mode. This limits the energy consumption from 4-5 Watt to 1 Watt, hence 80% of saving.

Self Cleaning mode: The air conditioner is equipped with an self cleaning mode to clean the internal side of the evaporator. It also prevents the breeding of bacteria inside the air conditioner.

3D Inverter technology; maximum comfort. Like all Inverter systems the Zibro DC Inverter Wall Mounted Split air conditioner continuously adjusts its cooling and heating capacity according to the desired room temperature. The 3D Inverter technology provides extra comfort. When the desired temperature is reached, 1) the compressor speed will be adjusted, 2) the outdoor fan speed is adjusted and 3) the indoor fan speed is gradually decreased. All this to maintain the desired room temperature with a minimum of variation. Thanks to the 3D technology, the expected lifetime as well as the experienced comfort level is increased, since non-Inverter systems will switch on/off and cause temperature fluctuations.

3D Inverter technology: The injection of refrigerant through an electronic expansion valve (EEV) is based upon the difference between real room temperature and desired room temperature. With the combination of the advanced Inverter technology, EEV metering device and the DC-Twin rotary compressor, an extremely high efficiency with a minimum energy consumption is possible. As a result, the overall power consumption is reduced significantly (up to 30% less than conventional Inverter types).

DC-Twin rotary compressor: High-tech energy saving compressor. The rotor of the unit is optimally balanced which results in less vibrations and therefore less stress on components. Additional benefit is the reduced sound pressure level of the outdoor unit.

Easy installation via "spanner Quick Connector System : The air conditioner is provided with a Spanner type Quick connection system which makes it easy to connect indoor unit with outdoor unit, simply pull the lever without the needs for tools. There is no need for additional brazing anymore. From enviromental point of view it is required that final installation / putting into operation is done via certified refrigeration (f-gasses) engineer.

Connection via flexible tubes: The air conditioner is provided with Stainless Steel flexible refrigerant gas line and Soft Copper refrigerant liquid line. Due to these flexible lines the installation can be done in the most easiest way without the risk of folding/ cracking.

Cooling + dehumidifying + heating (heat pump): The air conditioning is a complete air treatment system. It can cool, dehumidify and heat the air.

Air conditioning: In COOLING mode the unit produces a pleasant and refreshing cool airflow.

Heating: In HEATING mode the unit produces a warm and comfortable airflow. Because also the free of charge energy from the outdoor air is used to increase the efficiency of the system.

Dehumidifying: In DRY mode the unit dehumidifies the air in the room as efficient as possible. Note: In COOLING mode the air is also dehumidified.

EXTRA: frost protection in outdoor unit: The outdoor unit is provided with a PTC heating cable. When the system is working as a heater in the wintertime the PTC heating cable will keep the drip pan in the outdoor unit clear of ice, making sure the condensate water can reach the drain point. Furthermore also the compressor crankcase is provided with a heating cable. Ensuring the unit can perform and start up at extreme weather conditions.

EXTRA: anti-corrosion treatment in outdoor unit: The Zibro Golden Fin corrosion treatment on the outdoor condenser heat exchanger improves the heating efficiency and accelerates the defrosting process. The unique anti corrosive Golden Fin coating can withstand salty air and rain in a superb way resulting in a longer expected lifetime of the condenser.

EXTRA: Home Freezing prevention: Upon pressing the FP button the unit will go into the freezing prevention mode. The unit will overrule the indoor temperature setting and set it to approx 8-10°C. In this way preventing your home from freezing during cold periods at the lowest possible energy consumption. When this mode is selected the indoor unit display will show "FP". This button can only be operated in heating mode.

Environment friendly refrigerant R410A: The most preferred and environmental friendly refrigerant R410a is used in the air conditioner.

Turbo mode: With the Turbo mode the air conditioner will reach the preset temperature in the shortest possible time.

3-layer air filter: The air conditioner is equipped with a 3 layer filter package to clean the circulated room air. The 3M™ HAF air filter delivered together with this unit captures allergens like bacteria, dust and pollen from the circulated air with an efficiency up to 80%. Pollen are well known as an important stimulus for hay-fever allergy. The

Remote control with LCD screen: The unit can be operated with an easy to handle remote control including LCD-display. Using the remote control the air conditioner can be operated up to a distance of approx. 8 metres.

Remote control holder: The remote control can be placed in the wall mounted remote control holder which is delivered together with the unit.

Adjustable airflow: The up-down airflow can be automatically changed by using the SWING mode. The left-right airflow can be changed manually.

Sleep Mode: This function enables the air conditioner to increase (cooling) or decrease (heating) automatically 1°C per hour for the first two hours and then maintain the same temperature for five hours after which the air conditioner will stop operating automatically. It maintains the most comfortable temperature and saves energy at the same time.

Fan speed setting: Select with FAN speed button: Automatic, Low, Medium or High. The LCD display on the remote control will show the chosen speed.

Automatic operation: The air conditioning system can be set to automatic operation for the most suitable MODE: Cooling, Dehumidifying or Heating, monitoring the indoor temperature.

Auto restart function: If there is any power failure during operation, the operation status before power failure is memorised and the unit starts operating automatically after power recovery.

Timer: Use TIMER or set a working time between 30 minutes and 24 hours. The preset time appears in the display of the remote control. The unit switches ON or OFF automatically when this time is passed.

Full colour box: The unit is delivered completely with all auxiliary parts in a full colour box for the indoor unit showing application and operation information in multiple languages.